

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



24 MAR 2005



(43) International Publication Date
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number
WO 2004/028354 A1

(51) International Patent Classification⁷: A61B 1/31, 1/005

(21) International Application Number:
PCT/GB2003/004144

(22) International Filing Date:
23 September 2003 (23.09.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0222106.7 24 September 2002 (24.09.2002) GB

(71) Applicant (*for all designated States except US*): UNIVERSITY OF DUNDEE [GB/GB]; Nethergate, Perth Road, Dundee DD1 4HN (GB).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): HEWIT, James, Robert [GB/GB]; University of Dundee, Department of Mechanical Engineering, Dundee DD1 4HN (GB). SLADE, Alan, Peter [GB/GB]; University of Dundee, Department of Mechanical Engineering, Dundee DD1 4HN (GB).

(74) Agents: MACDOUGALL, Donald, Carmichael et al.; Cruikshank & Fairweather, 19 Royal Exchange Square, Glasgow G1 3AE (GB).

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

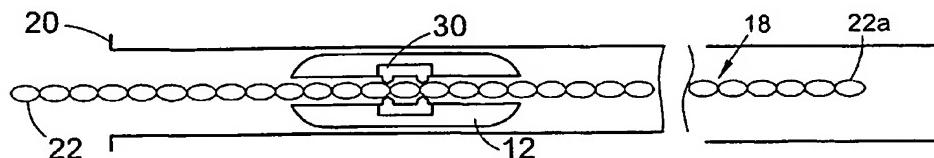
(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: BODY CAVITY INSPECTION SYSTEM AND METHOD OF USING THE SAME



(57) **Abstract:** Transportation apparatus for transportation of an inspection device within a body cavity such as the colon and inspection apparatus for inspecting a body cavity is disclosed. In one embodiment, there is disclosed transportation apparatus (10) for transportation of an inspection device (12) within a body cavity (14), the apparatus comprising: a carrier (16) for insertion into an opening (20) of the body cavity (14), the carrier (16) moveable between a collapsed position and an extended position where the carrier (16) extends along a length of the cavity (14); and a guide member (18) coupled to the carrier (16), the guide member (18) adapted to be carried into the cavity by the carrier (16) when the carrier (16) is moved to the extended position, such that the guide member (18) acts as a guide for transportation of the inspection device (12) within the cavity (14).

WO 2004/028354 A1